



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: April 30, 2009

RE: Cummins Industrial Center / 071-27683-00015

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-MOD.dot 12/3/07



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David Wehrkamp
Cummins Industrial Center
800 East Third Street,
Seymour, Indiana 47274

April 30, 2009

Re: 071-27683-00015
Minor Source Modification to
Part 70 Renewal No.: T 071-21065-00015

Dear Mr. Wehrkamp:

Cummins Industrial Center was issued a Part 70 Operating Permit Renewal on December 28, 2006 for a internal combustion engine manufacturing plant, of which the testing and painting of the product is included. A letter requesting changes to this permit was received on March 27, 2009. Cummins is requesting the flexibility to power their test cells with different fuels and also to increase the capacity of these test cells and to change the emission description for PI. The emission unit was wrongly described in the permit as one unit but PI is actually three (3) units. Pursuant to 326 IAC 2-7-10.5 this emission unit is approved for modification at the source:

- (a) One (1) diesel-powered engineering test cell, identified as HHP5, with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and exhausting to stack HHP5.1 - HHP5.2;

General Construction Conditions

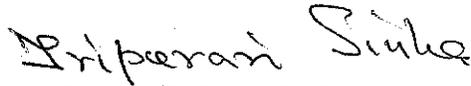
1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13 17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.
3. Effective Date of the Permit
Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(i), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
5. All requirements and conditions of this modification approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

The source may begin to operation when the minor source modification has been issued. Operating conditions shall be incorporated into the Part 70 operating permit as a minor permit modification in accordance with 326 IAC 2-7-10.5(l)(2) and 326 IAC 2-7-12.

All other conditions of the permit shall remain unchanged and in effect. For your convenience, the entire Part 70 Operating Permit as modified will be provided at issuance.

This decision is subject to the Indiana Administrative Orders and Procedures Act – IC 4-21.5-3-5. If you have any questions on this matter, please contact Josiah Balogun, OAQ, 100 North Senate Avenue, MC 61-53, Room 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Josiah Balogun or extension (4-5257), or dial (317) 234-5257.

Sincerely,



Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality

Attachments:
Updated Permit
Technical Support Document
PTE Calculations

JB

cc: File – Jackson County
Jackson County Health Department
U.S. EPA, Region V
Air Compliance Inspector
Compliance Data Section



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PART 70 MINOR SOURCE MODIFICATION OFFICE OF AIR QUALITY

**Cummins Industrial Center
800 East Third Street
Seymour, Indiana 47274**

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit addresses new source review requirements for existing equipment and is intended to fulfill the new source review procedures, pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Minor Source Modification No.: T071-27683-00015

Issued by:

Tripurari P. Sinha
Tripurari P. Sinha, Ph.D., Section Chief
Permits Branch
Office of Air Quality

Issuance Date: April 30, 2009

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary internal combustion engine manufacturing plant, of which the testing and painting of the product is included.

Source Address: 800 East Third Street, Seymour, Indiana 47274
Mailing Address: Same
General Source Phone Number: (812)524-6325
SIC Code: 3519
County Location: Jackson
Source Location Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Minor under PSD;
Minor Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) Six (6) production engine test cells, identified as EU-02A, constructed in 1978, consisting of the following equipment:
 - (1) Three (3) diesel-powered production engine test cells, identified as 801, 802, and 803, with maximum outputs of 1000, 1000 and 1650 hp respectively, with heat inputs of 6.41, 6.41 and 10.57 MMBtu/hr, respectively and exhausting to stacks 801.1 - 801.2, 802.1 - 802.2, and 803.1 and 803.2, respectively;
 - (2) Two (2) diesel-powered production engine test cells, identified as 804 and 805, with maximum outputs of 1650 hp, each, with heat input of 10.57 MMBtu/hr each and exhausting to stacks 804 and 805, respectively; and
 - (3) One (1) diesel-powered or natural gas-fired production engine test cell, identified as 808, with maximum output of 1650 hp when combusting diesel oil or 600hp when combusting natural gas, with heat input of 10.57 MMBtu/hr when combusting diesel oil or 4.1 MMBtu/hr when combusting natural gas and exhausting to stack 808.
- (b) Ten (10) engineering engine test cells, identified as EU-02B, installed in 1978, consisting of the following equipment:
 - (1) Two (2) diesel-powered engineering engine test cells, identified as 806 and 807, with maximum outputs of 1800 hp, each, exhausting to stacks 806 and 807, respectively;
 - (2) One (1) diesel-powered engineering engine test cells, identified as HHP1, with maximum output of 4500 hp, when combusting diesel or 2200 hp when combusting natural gas, with heat input of 28.82 MMBtu/hr when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and exhausting to stack HHP1;
 - (3) One (1) diesel-powered engineering engine test cells, identified as HHP2, with maximum output of 4500 hp when combusting diesel, with heat input of 28.82 MMBtu/hr and exhausting to stack HHP2;

- (4) One (1) diesel-powered engineering engine test cell, identified as HHP3, with maximum output of 4500 hp when combusting, with heat input of 28.82 MMBtu/hr when combusting diesel and exhausting to stacks HHP3.1 and HHP3.2;
 - (5) One (1) diesel-powered engineering test cell, identified as HHP5, with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and exhausting to stack HHP5.1 - HHP5.2;
 - (6) One (1) diesel-powered or natural gas-fired outside engine test pad 8 (PI), identified as PI, with maximum outputs of 3000 hp when combusting diesel or 2200 hp when combusting natural gas, with heat input of 19.22 MMBtu/hr when combusting diesel and 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks PD8.1 and PD8.2;
 - (7) Two (2) diesel-powered or natural gas-fired outside engine test pad 10(PI) and 11(PI), identified as PI, with maximum outputs of 1850, each, when combusting diesel, with heat input of 11.85 MMBtu/hr, each, when combusting diesel or 12.70 MMBtu/hr, each when combusting natural gas and exhausting to stacks PD10.1 and PD11.1; and
 - (8) One (1) diesel-powered or natural gas-fired engineering engine test cell, identified as HHP4, with a maximum output of 2200 hp when combusting diesel and a heat input of 14.09 MMBtu per hour when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks HHP4.1 and HHP4.2.
- (c) One (1) diesel-powered engineering engine test cell Test Pad 9, identified as EU-02C, installed in 2005, with maximum outputs of 3540 hp when combusting diesel or 2200 hp when combusting, exhausting to stacks PD9.1 and PD9.2.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B

GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]

- (a) This permit, T071-21065-00015, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ, may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ, copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by a responsible official of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A responsible official is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. The initial certification shall cover the time period from the date of final permit issuance through December 31 of the same year. All subsequent certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
- (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ, may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ, upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ, may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the

“responsible official” as defined by 326 IAC 2-7-1(34).

- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
- (2) The permitted facility was at the time being properly operated;
- (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
- (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification, which shall be submitted by the Permittee, does not require the certification by the “responsible official” as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.

- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ, may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ, by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ,

has issued the modifications. [326 IAC 2-7-12(c)(7)]

- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to T017-21065-00015 and issued pursuant to permitting programs approved into the state implementation plan have been:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ, determines any of the following:
 - (1) That this permit contains a material mistake.
 - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ, to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ, at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ, may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Administration and Support Section (PASS), Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
 - (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ, takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ, any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

- (b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permits Administration and Support Section (PASS), Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12 (b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b), (c), or (e), without a prior permit revision, if each of the following conditions is met:

- (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
- (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
- (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
- (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Administration and Support Section (PASS), Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

- (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b), (c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ, in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

- (a) A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.
- (b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and/or 326 IAC 2-3-2.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management
Permits Administration and Support Section (PASS), Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The application, which shall be submitted by the Permittee, does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing. In the event that the source is a sub-contractor and is combined with a larger Part 70 source, the larger Part 70 source may pay the Permittees' annual fees as part of the larger source billing and subject to the fee cap of the larger source. If, however, the larger Part 70 does not pay its annual Part permit fee, IDEM, OAQ will assess a separate fee in accordance with 326 IAC 2-7-19(c) to be paid by the Permittee. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ, the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 1-1-6][326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

- C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]
Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.
- C.2 Opacity [326 IAC 5-1]
Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:
- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.
- C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.
- C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.
- C.5 Fugitive Dust Emissions [326 IAC 6-4]
The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.
- C.6 Operation of Equipment [326 IAC 2-7-6(6)]
Except as provided by statute, rule, or in this permit, all air pollution control equipment listed in this permit and used to comply with an applicable requirement shall be operated at all times that the emission unit(s) vented to the control equipment are in operation.
- C.7 Stack Height [326 IAC 1-7]
The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.
- C.8 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]
The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

Testing Requirements [326 IAC 2-7-6(1)]

- C.9 Performance Testing [326 IAC 3-6]
(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ, of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ, not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.10 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.11 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.12 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum

reading for the normal range shall be no less than twenty percent (20%) of full scale.

- (b) The Permittee may request that the IDEM, OAQ, approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on December 13, 1996.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.15 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
 - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:
 - (1) monitoring results;
 - (2) review of operation and maintenance procedures and records;
 - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.
- (e) The Permittee shall maintain the following records:
 - (1) monitoring data;
 - (2) monitor performance data, if applicable; and
 - (3) corrective actions taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ, that retesting in one hundred and twenty (120) days is not practicable, IDEM, OAQ, may extend the retesting deadline.
- (c) IDEM, OAQ, reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.18 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

Pursuant to 326 IAC 2-6-3(b)(3), starting in 2006 and every three (3) years thereafter, the Permittee shall submit by July 1 of each year an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.

C.19 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.
- (c) If there is a reasonable possibility that a "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, other than projects at a Clean Unit, which is not part of a "major modification" (as defined in 326 IAC 2-2-1(ee) and/or 326 IAC 2-3-1(z)) may result in significant emissions

increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(rr) and/or 326 IAC 2-3-1(mm)), the Permittee shall comply with following:

- (1) Prior to commencing the construction of the "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1(mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
- (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
- (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) The first report shall cover the period commencing on the date of issuance of this permit and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1(qq) and/or 326 IAC 2-3-1(II))

at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:

- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1(xx) and/or 326 IAC 2-3-1(qq), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
 - (4) Any other information that the Permittee deems fit to include in this report.

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.21 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) Six (6) production engine test cells, identified as EU-02A, constructed in 1978, consisting of the following equipment:
 - (1) Three (3) diesel-powered production engine test cells, identified as 801, 802, and 803, with maximum outputs of 1000, 1000 and 1650 hp respectively, with heat inputs of 6.41, 6.41 and 10.57 MMBtu/hr, respectively and exhausting to stacks 801.1 - 801.2, 802.1 - 802.2, and 803.1 and 803.2, respectively;
 - (2) Two (2) diesel-powered production engine test cells, identified as 804 and 805, with maximum outputs of 1650 hp, each, with heat input of 10.57 MMBtu/hr each and exhausting to stacks 804 and 805, respectively; and
 - (3) One (1) diesel-powered or natural gas-fired production engine test cell, identified as 808, with maximum output of 1650 hp when combusting diesel oil or 600hp when combusting natural gas, with heat input of 10.57 MMBtu/hr when combusting diesel oil or 4.1 MMBtu/hr when combusting natural gas and exhausting to stack 808.

- (b) Ten (10) engineering engine test cells, identified as EU-02B, installed in 1978, consisting of the following equipment:
 - (1) Two (2) diesel-powered engineering engine test cells, identified as 806 and 807, with maximum outputs of 1800 hp, each, exhausting to stacks 806 and 807, respectively;
 - (2) One (1) diesel-powered engineering engine test cells, identified as HHP1, with maximum output of 4500 hp, when combusting diesel or 2200 hp when combusting natural gas, with heat input of 28.82 MMBtu/hr when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and exhausting to stack HHP1;
 - (3) One (1) diesel-powered engineering engine test cells, identified as HHP2, with maximum output of 4500 hp when combusting diesel, with heat input of 28.82 MMBtu/hr and exhausting to stack HHP2;
 - (4) One (1) diesel-powered engineering engine test cell, identified as HHP3, with maximum output of 4500 hp when combusting, with heat input of 28.82 MMBtu/hr when combusting diesel and exhausting to stacks HHP3.1 and HHP3.2;
 - (5) One (1) diesel-powered engineering test cell, identified as HHP5, with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and exhausting to stack HHP5.1 - HHP5.2;
 - (6) One (1) diesel-powered or natural gas-fired outside engine test pad 8 (PI), identified as PI, with maximum outputs of 3000 hp when combusting diesel or 2200 hp when combusting or natural gas, with heat input of 19.22 MMBtu/hr when combusting diesel and 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks PD8.1 and PD8.2;
 - (7) Two (2) diesel-powered or natural gas-fired outside engine test pad 10(PI) and 11(PI), identified as PI, with maximum outputs of 1850, each, when combusting diesel, with heat input of 11.85 MMBtu/hr, each, when combusting diesel or 12.70 MMBtu/hr, each when combusting natural gas and exhausting to stacks PD10.1 and PD11.1; and

- (8) One (1) diesel-powered or natural gas-fired engineering engine test cell, identified as HHP4, with a maximum output of 2200 hp when combusting diesel and a heat input of 14.09 MMBtu per hour when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks HHP4.1 and HHP4.2.
- (c) One (1) diesel-powered engineering engine test cell Test Pad 9, identified as EU-02C, installed in 2005, with maximum outputs of 3540 hp when combusting diesel or 2200 hp when combusting, exhausting to stacks PD9.1 and PD9.2.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limit [326 IAC 2-2]

- (a) The total diesel fuel combusted by the seventeen (17) engine test cells, known as EU-02A, EU-02B, and EU-02C shall not exceed the amount calculated by the following equation, equivalent to NOx emissions of 217.9 tons per twelve (12) consecutive month period.

$$\text{NOx emissions} = \frac{(\text{Diesel fuel burned by EU-02A}) \times (0.427 \text{ lbs of NOx/gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Diesel fuel burned by EU-02B and EU-02C}) \times (0.155 \text{ lbs of NOx/gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Natural gas burned by 808, HHP4, HHP5 and PI}) \times (0.00416 \text{ lbs of NOx/ft}^3 \text{ of natural gas}) \div (2000 \text{ lbs/ton})}{\text{at a natural gas heat content of } 1,020 \text{ MMBtu/ft}^3}$$

- (b) The NOx emissions shall not exceed:
 - (1) 0.427 pounds of NOx per gallon of diesel fuel for EU-02A;
 - (2) 0.155 pounds of NOx per gallon of diesel fuel for EU-02B and EU-02C; and
 - (3) 0.00416 pounds of NOx per cubic foot of natural gas for 808, HHP4, HHP5 and PI.
- (c) Compliance with this limits in Condition D.2.1(a) and (b) will limit the NOx emissions from the engine test cells and other emission units not to exceed two hundred and fifty (250) tons per year and render the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable to this source.

D.2.2 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for EU-02A, EU-02B, and EU-02C and their control devices.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.3 Visible Emissions Notations

- (a) Visible emissions notations of the engine test cell stack exhausts (801.1 -801.2, 802.1 -802.2, 803.1-803.2, 804 through 808, HHP1, HHP2, HHP3.1 -HHP3.2, HHP4.1-HHP4.2, HHP5.1-HHP5.2, PD8.1-PD8.2, PD9.1 and PD9.2, PD10.1 and PD11.1) shall be performed once per day during normal daylight operations when combusting diesel fuel. A trained employee will record whether emissions are normal or abnormal.
- (b) For processes operated continuously "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.
- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

- (e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.4 Record Keeping Requirements

- (a) To document compliance with condition D.2.1, the Permittee shall maintain records in accordance with (1) and (3) below:
- (1) Calendar dates covered in the compliance determination period; and
 - (2) Actual diesel fuel oil usage for EU-02A, EU-02B, and EU-02C since last compliance determination period and equivalent NOx emissions.
 - (3) Actual natural gas usage for EU-02A and EU-02B since last compliance determination period and equivalent NOx emissions.
- (b) To document compliance with condition D.2.3 - Visible Emission Notation, the Permittee shall maintain records of daily visible emission notations of the stack exhausts listed, when combusting diesel fuel. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.2.5 Reporting Requirements

A quarterly summary of the information to document compliance with condition D.2.1 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Cummins Industrial Center
Source Address: 800 East Third Street, Seymour, Indiana 47274
Mailing Address: 800 East Third Street, Seymour, Indiana 47274
Part 70 Permit Renewal No.: T071-21065-00015

**This certification shall be included when submitting monitoring, testing reports/results,
or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify)
- Report (specify)
- Notification (specify)
- Affidavit (specify)
- Other (specify)

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Cummins Industrial Center
Source Address: 800 East Third Street, Seymour, Indiana 47274
Mailing Address: 800 East Third Street, Seymour, Indiana 47274
Part 70 Permit Renewal No.: T071-21065-00015

This form consists of 2 pages

Page 1 of 2

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) <input type="checkbox"/> The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and <input type="checkbox"/> The Permittee must submit notice by mail or facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.
--

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE AND ENFORCEMENT BRANCH**

Part 70 Quarterly Report for Fuel Usage Limit

Source Name: Cummins Industrial Center
 Source Address: 800 East Third Street, Seymour, Indiana 47274
 Mailing Address: 800 East Third Street, Seymour, Indiana 47274
 Part 70 Renewal Permit No.: T071-21065-00015
 Facilities: Seventeen (17) engine test cells, known as EU-02A, EU-02B and EU-02C
 Parameter: NOx Emissions
 Limit: NOx emissions shall not exceed 217.9 tons of NOx per twelve (12) consecutive month period

YEAR: _____

Month	This Month			Previous 11 Months			12 Month Total		
	EU-02 Diesel Fuel (gallons)		EU-02 Equivalent NO _x (tons) A + (B + C)	EU-02 Diesel Fuel (gallons)		EU-02 Equivalent NO _x (tons) A + (B + C)	EU-02 Diesel Fuel (gallons)		EU-02 Equivalent NO _x (tons) A + (B + C)
A	B + C	A		B + C	A		B + C		
	Natural Gas (cubic feet)			Natural Gas (cubic feet)			Natural Gas (cubic feet)		
	A	B		A	B		A	B	

Total NOx Emissions from Diesel Fuel & Natural Gas	Month	Month	Month
12 Month Total (tons)			

- No deviation occurred in this quarter.
- Deviation(s) occurred in this quarter.
 Deviation has been reported on: _____

Submitted by: _____

Title / Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Cummins Industrial Center
 Source Address: 800 East Third Street, Seymour, Indiana 47274
 Mailing Address: 800 East Third Street, Seymour, Indiana 47274
 Part 70 Permit Renewal No.: T071-21065-00015

Months: _____ **to** _____ **Year:** _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

**Indiana Department of Environmental Management
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70 Minor Source and
Permit Modification.**

Source Description and Location

Source Name:	Cummins Industrial Center
Source Location:	800 East Third Street, Seymour, IN 47274
County:	Jackson
SIC Code:	3519
Operation Permit No.:	T 071-21065-00015
Operation Permit Issuance Date:	December 28, 2006
Minor Source Modification No.:	071-27683-00015
Minor Permit Modification No.:	071-27806-00015
Permit Reviewer:	Josiah Balogun

Existing Approvals

The source was issued Part 70 Operating Permit No. 071-21065-00015 on December 28, 2006.

County Attainment Status

The source is located in Jackson County.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O ₃	Attainment effective December 29, 2005, for the 8-hour ozone standard. ¹
PM ₁₀	Unclassifiable effective November 15, 1990.
NO ₂	Cannot be classified or better than national standards.
Pb	Not designated.
¹ Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

- (a) **Ozone Standards**
Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Jackson County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (b) **PM2.5**
Jackson County has been classified as attainment for PM2.5. On May 8, 2008 U.S. EPA promulgated the requirements for Prevention of Significant Deterioration (PSD) for PM2.5 emissions, and the effective date of these rules was July 15th, 2008. Indiana has three years from the publication of these rules to revise its PSD rules, 326 IAC 2-2, to include those requirements. The May 8, 2008 rule revisions require IDEM to regulate PM10 emissions as a surrogate for PM2.5 emissions until 326 IAC 2-2 is revised.

- (c) **Other Criteria Pollutants**
 Jackson County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (d) **Fugitive Emissions**
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2, fugitive emissions are not counted toward the determination of PSD.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (ton/yr)
PM	<250
PM ₁₀	<250
PM _{2.5}	<250
SO ₂	<250
VOC	<250
CO	<250
NO _x	<250

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of 250 tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) These emissions are based upon T 071-21065-00015, issued on December 28, 2006.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (ton/yr)
Single HAP	< 10
Total HAPs	< 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.2, because HAPs emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Cummins Industrial Center on March 27, 2009 and on April 21 2009, requesting the flexibility to power their test cells with different fuels and also to increase the capacity of these test cells and to change the emission description for PI. The emission unit was wrongly described in the permit as one unit but PI is actually three (3) units. The following are the list of the modified emission unit(s):

- (a) One (1) diesel-powered engineering test cell, identified as HHP5, with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and exhausting to

stack HHP5.1 - HHP5.2;

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the change in PTE of the modification before controls due to change in use of different fuels. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	Potential To Emit when using diesel (tons/year)	Potential To Emit when using natural gas (tons/year)	Difference in Potential To Emit when using diesel and natural gas (tons/year)
PM	7.32	0.07	--
PM10	7.32	0	--
SO ₂	6.83	0	--
VOC	8.52	0.79	--
CO	22.38	2.13	--
NO _x	26.68	27.48	0.8

The Part 70 operating permit is being modified through a Part 70 minor source modification .This source modification is performed pursuant to 326 IAC 2-7-10.5(d)(3)(B)(ii) because the modification has a potential to emit less than 25 tons per year but equal to or greater than 10 tons per year of Nitrogen dioxide (NOx). Additionally, the modification will be incorporated into the Part 70 Operation Permit through a minor permit modification issued pursuant to 326 IAC 2-7-12(b)(1)(B).

Permit Level Determination – PSD

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/Emission Unit	PM	PM10	SO ₂	VOC	CO	NO _x
Total emission before Modification	29.0	29.4	62.9	86.2	66.3	< 250
Total for Modification	--	--	--	--	--	0.80
Total After Modification	29.07	29.4	62.9	86.99	68.43	< 250
Major source Threshold	250	250	250	250	250	250

This modification to an existing minor stationary source is not major because the source wide emissions of all regulated pollutants will still be less than the PSD major source threshold. Therefore, the requirements of 326 IAC 2-2 (PSD) do not apply.

Federal Rule Applicability Determination

- (a) There are no New Source Performance Standards (NSPS)(326 IAC 12 and 40 CFR Part 60) applicable to this proposed modification.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) applicable to this proposed modification.

State Rule Applicability Determination

326 IAC 2-2 (PSD)

The source will still be a minor source for PSD after the modification.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time

period.

There are no Compliance Determination and monitoring Requirements applicable to this modification at this time:

Proposed Changes

The changes listed below have been made to Part 70 Operating Permit No.T071-21065-00015. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

Change 1: The emission units descriptions have been revised in Condition A.2 and Section D.2 of the permit accordingly. The Visible Emission Notation and the record Keeping requirements have been updated in the permit. There are no new emission units included in the modification. Previously some emission units were embedded with other emission units. They have been separate, therefore the number of the test cells have changed from 15 to 17 emission units.

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

.....
(b) Six (6) production engine test cells, identified as EU-02A, constructed in 1978, ~~with a maximum combined usage of 142.14 gallons of diesel fuel per hour each, or 23.69 gallons each,~~ consisting of the following equipment:

- (1) Three (3) diesel-powered production engine test cells, identified as 801, 802, and 803, **with maximum outputs of 1000, 1000 and 1650 hp respectively, with heat inputs of 6.41, 6.41 and 10.57 MMBtu/hr, respectively and** exhausting to stacks 801.1 - ~~801.2~~, 802.1 - ~~802.2~~, and 803.1 **and 803.2**, respectively, ~~with maximum outputs of 765 hp and heat inputs of 3.08 MMBtu per hour each;~~
- (2) Two (2) diesel-powered production engine test cells, identified as 804 and 805, **with maximum outputs of 1650 hp, each, with heat input of 10.57 MMBtu/hr, each and** exhausting to stacks 804 and 805, respectively, ~~with maximum outputs of 1,500 hp and heat inputs of 3.08 MMBtu per hour each; and~~
- (3) One (1) diesel-powered or natural gas-fired production engine test cell, identified as 808, **with maximum output of 1650 hp when combusting diesel oil or 600hp when combusting natural gas, with heat input of 10.57 MMBtu/hr when combusting diesel oil or 4.1 MMBtu/hr when combusting natural gas and** exhausting to stack 808, ~~with a maximum output of 1,500 hp when combusting diesel oil or natural gas, heat input of 3.08 MMBtu per hour when combusting diesel oil and 2.68 MMBtu per hour when combusting natural gas.~~

(c) ~~Eight (8)~~ **Ten (10)** engineering engine test cells, identified as EU-02B, installed in 1978, ~~with a maximum combined usage of 314.4 gallons of diesel fuel per hour, or 39.3 gallons each,~~ consisting of the following equipment:

- (1) Two (2) diesel-powered engineering engine test cells, identified as 806 and 807, **with maximum outputs of 1800 hp, each,** exhausting to stacks 806 and 807, respectively, ~~with a maximum outputs of 1,350 hp and heat inputs of 5.11 MMBtu per hour each;~~
- (2) ~~Two (2)~~ **One (1)** diesel-powered engineering engine test cells, identified as HHP1 and HHP2, **with maximum output of 4500 hp, when combusting diesel or 2200 hp when combusting natural gas, with heat input of 28.82 MMBtu/hr when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and** exhausting to stacks HHP1 and HHP2, ~~respectively, with a maximum outputs of~~

3,600 hp and heat inputs of 5.11 MMBtu per hour each;

- (3) **One (1) diesel-powered engineering engine test cells, identified as HHP2, with maximum output of 4500 hp when combusting diesel, with heat input of 28.82 MMBtu/hr and exhausting to stack HHP2;**
 - (34) **One (1) diesel-powered engineering engine test cell, identified as HHP3, with maximum output of 4500 hp when combusting, with heat input of 28.82 MMBtu/hr when combusting diesel and exhausting to stacks HHP3.1 and HHP3.2, with a maximum output of 3,150 hp and heat input of 5.11 MMBtu per hour;**
 - (45) **One (1) diesel-powered engineering test cell, identified as HHP5, with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and exhausting to stack HHP5.1 - HHP5.2, with maximum output of 1,350 hp and heat input of 5.11 MMBtu per hour;**
 - (5 6) **One (1) diesel-powered or natural gas-fired outside engine test pad 8 (PI), identified as PI, with maximum outputs of 3000 hp when combusting diesel or 2200 hp when combusting natural gas, with heat input of 19.22 MMBtu/hr when combusting diesel and 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks PD8.1 and PD8.2 ; with a maximum output of 6,700 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas;**
 - (7) **Two (2) diesel-powered or natural gas-fired outside engine test pad 10(PI) and 11(PI), identified as PI, with maximum outputs of 1850, each, when combusting diesel, with heat input of 11.85 MMBtu/hr, each, when combusting diesel or 12.70 MMBtu/hr , each when combusting natural gas and exhausting to stacks PD10.1 and PD11.1 PD1 and PD2, with a maximum output of 6,700 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas; and**
 - (68) **One (1) diesel-powered or natural gas-fired engineering engine test cell, identified as HHP4, with a maximum output of 2200 hp when combusting diesel and a heat input of 14.09 MMBtu per hour when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks HHP4.1 and HHP4.2 ; with a maximum output of 1,350 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas.**
- (d) **One (1) diesel-powered engineering engine test cell Test Pad 9, identified as EU-02C, installed in 2005, with maximum outputs of 3540 hp when combusting diesel or 2200 hp when combusting, exhausting to stacks PD9.1 and PD9.2 TC-11.1 and TC-11.2, with a maximum output of 3,500 hp and heat input of 21.37 MMBtu per hour, and usage of 164.47 gallons of diesel fuel per hour.**
-

SECTION D.2

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (b) Six (6) production engine test cells, identified as EU-02A, constructed in 1978, with a maximum combined usage of 142.14 gallons of diesel fuel per hour each, or 23.69 gallons each, consisting of the following equipment:

- (1) Three (3) diesel-powered production engine test cells, identified as 801, 802, and 803, **with maximum outputs of 1000, 1000 and 1650 hp respectively, with heat inputs of 6.41, 6.41 and 10.57 MMBtu/hr, respectively and** exhausting to stacks 801.1 - **801.2**, 802.1 - **802.2**, and 803.1 and **803.2**, respectively, ~~with maximum outputs of 765 hp and heat inputs of 3.08 MMBtu per hour each;~~
 - (2) Two (2) diesel-powered production engine test cells, identified as 804 and 805, **with maximum outputs of 1650 hp, each, with heat input of 10.57 MMBtu/hr each and** exhausting to stacks 804 and 805, respectively, ~~with maximum outputs of 1,500 hp and heat inputs of 3.08 MMBtu per hour each; and~~
 - (3) One (1) diesel-powered or natural gas-fired production engine test cell, identified as 808, **with maximum output of 1650 hp when combusting diesel oil or 600hp when combusting natural gas, with heat input of 10.57 MMBtu/hr when combusting diesel oil or 4.1 MMBtu/hr when combusting natural gas and** exhausting to stack 808, ~~with a maximum output of 1,500 hp when combusting diesel oil or natural gas, heat input of 3.08 MMBtu per hour when combusting diesel oil and 2.68 MMBtu per hour when combusting natural gas.~~
- (c) ~~Eight (8)~~ **Ten (10)** engineering engine test cells, identified as EU-02B, installed in 1978, ~~with a maximum combined usage of 314.4 gallons of diesel fuel per hour, or 39.3 gallons each,~~ consisting of the following equipment:
- (1) Two (2) diesel-powered engineering engine test cells, identified as 806 and 807, **with maximum outputs of 1800 hp, each, when combusting diesel or natural gas, with heat input of 11.53 MMBtu/hr, each, when combusting diesel and 12.30 MMBtu/hr when 807 is combusting natural gas and** exhausting to stacks 806 and 807, respectively, ~~with a maximum outputs of 1,350 hp and heat inputs of 5.11 MMBtu per hour each;~~
 - (2) ~~Two (2)~~ **One (1)** diesel-powered engineering engine test cells, identified as HHP1 and HHP2, **with maximum output of 4500 hp, when combusting diesel or 2200 hp when combusting natural gas, with heat input of 28.82 MMBtu/hr when combusting diesel or 14.40 MMBtu/hr when combusting natural gas and** exhausting to stacks HHP1 and HHP2, respectively, ~~with a maximum outputs of 3,600 hp and heat inputs of 5.11 MMBtu per hour each;~~
 - (3) **One (1) diesel-powered engineering engine test cells, identified as HHP2, with maximum output of 4500 hp when combusting diesel, with heat input of 28.82 MMBtu/hr and exhausting to stack HHP2;**
 - (34) One (1) diesel-powered engineering engine test cell, identified as HHP3, **with maximum output of 4500 hp when combusting diesel, with heat input of 28.82 MMBtu/hr when combusting diesel and** exhausting to stacks HHP3.1 and HHP3.2, ~~with a maximum output of 3,150 hp and heat input of 5.11 MMBtu per hour;~~
 - (45) One (1) diesel-powered engineering test cell, identified as HHP5, **with output of 2200 hp when combusting diesel or 600 hp when combusting natural gas, with heat input of 14.09 MMBtu/hr when combusting diesel or 4.10 when combusting natural gas and** exhausting to stack HHP5.1 - HHP5.2; ~~with maximum output of 1,350 hp and heat input of 5.11 MMBtu per hour;~~
 - (~~5~~ 6) One (1) diesel-powered or natural gas-fired outside engine test pad **8 (PI)**, identified as PI, **with maximum outputs of 3000 hp when combusting diesel**

~~or 2200 hp when combusting natural gas, with heat input of 19.22 MMBtu/hr when combusting diesel and 14.40 MMBtu/hr when combusting natural gas and exhausting to stacks PD8.1 and PD8.2 ; with a maximum output of 6,700 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas;~~

(7) **Two (2) diesel-powered or natural gas-fired outside engine test pad 10(PI) and 11(PI), identified as PI, with maximum outputs of 1850, each, when combusting diesel, with heat input of 11.85 MMBtu/hr, each, when combusting diesel and exhausting to stacks PD10.1 and PD11.1 PD1 and PD2, with a maximum output of 6,700 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas; and**

(68) **One (1) diesel-powered or natural gas-fired engineering engine test cell, identified as HHP4, with a maximum output of 2200 hp when combusting diesel oil and a heat input of 14.09 MMBtu per hour when combusting diesel oil and exhausting to stack HHP4.1 and HHP4.2 ; with a maximum output of 1,350 hp when combusting diesel oil or natural gas, and a heat input of 5.11 MMBtu per hour when combusting diesel oil or 4.44 MMBtu per hour when combusting natural gas.**

(d) **One (1) diesel-powered engineering engine test cell Test Pad 9, identified as EU-02C, installed in 2005, with maximum outputs of 3540 hp when combusting diesel or 2200 hp when combusting natural gas, exhausting to stacks PD9.1 and PD9.2 TC-11.1 and TC-11.2, with a maximum output of 3,500 hp and heat input of 21.37 MMBtu per hour, and usage of 164.47 gallons of diesel fuel per hour.**

.....

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 PSD Minor Limit [326 IAC 2-2]

- (a) The total diesel fuel combusted by the **seventeen (17) fifteen (15)** engine test cells, known as EU-02A, EU-02B, and EU-02C shall not exceed the amount calculated by the following equation, equivalent to NOx emissions of 217.9 tons per twelve (12) consecutive month period.

$$\text{NOx emissions} = (\text{Diesel fuel burned by EU-02A}) \times (0.427 \text{ lbs of NOx/gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Diesel fuel burned by EU-02B and EU-02C}) \times (0.155 \text{ lbs of NOx/gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Natural gas burned by 808, HHP4, HHP5 and PI}) \times (0.00416 \text{ lbs of NOx/ft}^3 \text{ of natural gas}) \div (2000 \text{ lbs/ton}) \text{ at a natural gas heat content of } 1,020 \text{ MMBtu/ft}^3$$

- (b) The NOx emissions shall not exceed:
- (1) 0.427 pounds of NOx per gallon of diesel fuel for EU-02A;
 - (2) 0.155 pounds of NOx per gallon of diesel fuel for EU-02B and EU-02C; and
 - (3) 0.00416 pounds of NOx per cubic foot of natural gas for 808, HHP4, HHP5 and PI.

- (c) Compliance with ~~the~~ **this** limits in **Condition D.2.1**(a) and (b) will **limit** ~~insure~~ that the NOx emissions from the **engine test cells and other emission units** ~~entire source, including insignificant activities,~~ will not to exceed two hundred and fifty (250) tons per year and **render** ~~makes~~ the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable **to this source**.

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]

D.2.3 Visible Emissions Notations

- (a) Visible emissions notations of the engine test cell stack exhausts (~~801.1 -801.2, 802.1 -802.2, 803.1-803.2, 804~~ through 808, HHP1, ~~HHP2, through HHP3.1 -HHP3.2, HHP4.1-HHP4.2, HHP5.1-HHP5.2, PD8.1-PD8.2, PD9.1 and PD9.2, PD10.1 and PD11.1~~ PD1, PD2, TC-11.1, TC-11.2) shall be performed once per day during normal daylight operations when combusting diesel fuel. A trained employee will record whether emissions are normal or abnormal.

D.2.4 Record Keeping Requirements

- (b) To document compliance with condition D.2.3 - **Visible Emission Notation**, the Permittee shall maintain records of daily visible emission notations of the stack exhausts listed, when combusting diesel fuel. **The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation, (e.g. the process did not operate that day).**

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH**

Part 70 Quarterly Report for Fuel Usage Limit

Facilities: ~~Fifteen (15)~~ **seventeen (17)** engine test cells, known as EU-02A, EU-02B and EU-02C

Parameter: ~~Diesel fuel and natural gas~~ **NOx Emissions**

Limit: ~~Fuel usage NOx emissions shall not exceed 217.9 tons of NOx per twelve (12) consecutive month period total, equivalent to 217.9 tons of NOx per year calculated by the following equation:~~

$$\text{NO}_x \text{ emissions} = (\text{Diesel fuel burned by EU-02A}) \times (0.427 \text{ lbs of NO}_x/\text{gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Diesel fuel burned by EU-02B and EU-02C}) \times (0.155 \text{ lbs of NO}_x/\text{gal of diesel fuel}) \div (2000 \text{ lbs/ton}) + (\text{Natural gas burned by 808, HHP4 and PI}) \times (0.00416 \text{ lbs of NO}_x/\text{ft}^3 \text{ of natural gas}) \div (2000 \text{ lbs/ton}) \text{ at a natural gas heat content of } 1,020 \text{ MMBtu/ft}^3$$

Other Changes

Upon further review IDEM, OAQ has made the following changes to the Title V permit T071-21065-00015. (deleted language appears as ~~strikeout~~ and the new language **bolded**):

Change 1: Several of IDEM's Branches and sections have been renamed. Therefore, IDEM has updated the addresses listed in the permit. References to Permit Administration and Development Section and the Permits Branch have been changed to Permit Administration and Support Section. References to Asbestos Section, Compliance Data Section, Air Compliance Section, and Compliance Branch have been changed to Compliance and Enforcement Branch.

Indiana Department of Environmental Management
Permit ~~Branch~~ **Administration and Support Section (PASS)**, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance **and Enforcement** Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Change 2: IDEM has determined that it is not necessary to include the name or title of the responsible official in Section A.1 of the permit. The responsible official has been deleted.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary internal combustion engine manufacturing plant, of which the testing and painting of the product is included.

~~Responsible Official:~~ ~~Plant Manager~~
Source Address: 800 East Third Street, Seymour, Indiana 47274
Mailing Address: Same
General Source Phone Number: (812)524-6325
SIC Code: 3519
County Location: Jackson
Source Location Status: Attainment for all criteria pollutants
Source Status: Part 70 Permit Program
Minor under PSD;
~~Major~~ **Minor** Source, Section 112 of the Clean Air Act

Change 3: The IDEM, OAQ mailing addresses now include a new mail code. The mail code for the Permits Branch and Compliance Branch is MC 61-53 IGCN 1003. The Asbestos Section is MC 61-52 IGCN 1003 and Technical Support and Modeling Section is MC 61-50 IGCN 1003. The addresses were updated throughout the permit.

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality

100 North Senate Avenue
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

Conclusion and Recommendation

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 071-27683-00015 and Minor Permit Modification No. 071-27806-00015. The staff recommends to the Commissioner that this Part 70 Minor Source and Minor Permit Modification be approved.

Appendix A: Emissions Calculations

Emission Summary

Source Name: Cummins Industrial Center
Source Location: 800 East Third Street, Seymour, IN 47274
Permit Number: MSM071-27683-00015
Permit Reviewer: Josiah Balogun
Date: #####

Uncontrolled Potential Emissions

	PM (tons/yr)	PM₁₀ (tons/yr)	SO₂ (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Total emissions for modification	0.07	0	0	0.79	2.13	27.48	neg
Total emissions after modification	0.1	0.0	0	0.79	2.13	27.5	Single HAP <10 Combined HAPs < 25

Appendix A: Emissions Calculations
Emission Summary

Source Name: Cummins Industrial Center
Source Location: 800 East Third Street, Seymour, IN 47274
Permit Number: MSM071-27683-00015
Permit Reviewer: Josiah Balogun
Date: #####

Limited Potential Emissions

	PM (tons/yr)	PM₁₀ (tons/yr)	SO₂ (tons/yr)	VOC (tons/yr)	CO (tons/yr)	NOx (tons/yr)	HAPs (tons/yr)
Emission Unit							
Total emissions before modification	29	29.4	62.89	68.2	66.3	< 250	Single HAP <10 Combined HAPs < 25
Total emissions for modification	neg	neg	neg	neg	neg	0.8	neg
Total emissions after modification	29.0	29.4	62.89	68.2	66.3	< 250	Single HAP <10 Combined HAPs < 25

Appendix A: Emissions Calculations

Emission Summary

Source Name: Cummins Industrial Center

Source Location: 800 East Third Street, Seymour, IN 47274

Permit Number: MSM071-27683-00015

Permit Reviewer: Josiah Balogun

Date: #####

		Emission Factors Natural Gas - lb/MMBtu						
		Max Capacity NG	NO x (tons/yr)	SO2 (tons/yr)	VOC (tons/yr)	PM (tons/yr)	PM10 (tons/yr)	CO (tons/yr)
		MMBtu/yr	4.08	0.00	0.12	0.01	0.00	0.32
Engineering Test Cell HHP5	HHP5.1 - HHP5.2	13,468.50	27.48	0.00	0.79	0.07	0.00	2.13
Subtotal EU-02B (tons/yr)		13468.50	27.48	0.00	0.79	0.07	0.00	2.13

Appendix A: Emissions Calculations

Emission Summary

Source Name: Cummins Industrial Center

Source Location: 800 East Third Street, Seymour, IN 47274

Permit Number: MSM071-27683-00015

Permit Reviewer: Josiah Balogun

Date: 22-Apr-2009

		PM (tons/yr)	PM10 (tons/yr)	SO2 (tons/yr)	NOx (tons/yr)	VOC (tons/yr)	CO (tons/yr)
	Emission Factors (lb/gal)	0.0425	0.0425	0.0397	0.155	0.0495	0.13
	Fuel Used (gal/yr)						
HHP5	344268	7.315695	7.315695	6.8337198	26.68077	8.520633	22.37742

Based on information on Page 4 of 6 of TSD Appendix A T 071-21065-00015

HHP4 and HHP5 are both the same sized test cell and the fuel for both is 688536 gallons per year.